

138. (New) The computer-readable medium of claim 104 wherein the theme data structure further comprises an indication of theme logic that analyzes values of at least one of the context attributes.

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cancd . 139. (New) The computer-readable medium of claim 104 wherein the theme data structure further comprises an indication of a privacy level that affects how information related to the theme data structure is shared with executing software components.

140. (New) The computer-readable medium of claim 104 wherein the theme data structure further comprises an indication of a security level that affects types of access to the theme data structure that are allowed.

141. (New) The computer-readable medium of claim 104 wherein the theme data structure further comprises an indication of a permission level that affects types of activities that users can engage in with the theme data structure.

REMARKS

Applicants have amended claims 104, 107, 108 and 116, and have added claims 134-141 in order to clarify the subject matter of their invention. Thus, claims 1-141 are now pending.

Applicants respectfully request consideration of this application and its early allowance.

Respectfully submitted,
Perkins Coie LLP



James A. D. White
Registration No. 43,985

P.O. Box 1247
Seattle, Washington 98111-1247
(206) 583-8888
Fax: (206) 583-8500

APPENDIX - CLAIMS
MARKED TO SHOW CHANGES

104. (Amended) A computer-readable medium containing a theme data structure for use in providing an appropriate response to a represented contextual situation, the theme data structure ~~representing a contextual situation, the theme data structure comprising:~~

indications of multiple context attributes related to the represented contextual situation; and

indications of criteria for determining values of the ~~specified~~ context attributes ~~that match the contextual situation,~~
so that the response can be provided when a contextual situation produces values for the
context attributes that match the determined values.

107. (Amended) The computer-readable medium of claim 104 wherein the ~~specified criteria for determining the values of the context attributes are the~~
~~determined values includes specifications of one or more possible values associated with~~
~~each of the specified context attributes.~~

108. (Amended) A computer-readable generated data signal transmitted via a transmission medium, the generated data signal having encoded contents that include a theme data structure for use in providing an appropriate response to a represented contextual situation, the theme data structure ~~representing a contextual situation and comprising:~~

indications of multiple context attributes related to the represented contextual situation; and

indications of criteria for determining values of the ~~specified~~ context attributes that match the contextual situation.

116. (Amended) A computer-implemented method for providing an appropriate response ~~to-based on~~ at least one of multiple themes, each of the themes representing a contextual situation and each associated with at least one type of response that is appropriate to the represented contextual situation of that theme, the method comprising:

- receiving an indication of a current theme;
- selecting one of the types of responses that are associated with the current theme; and
- providing the selected type of response.